Dual Torches. One Machine. Maximum Output.

Why Choose DynaTwin 200M?

Because it replaces two welders, delivers faster output, reduces human error, and ensures perfectly uniform weld quality every time — boosting productivity while lowering labor cost.

Cruxweld **DynaTwin 200M** Dual Torch Automated Welding Carriage with Oscillation

Key Features

Dual Torch Welding System – performs two parallel welds simultaneously for maximum efficiency

Multi-Process Welding & Cutting System – compatible with MIG / MAG / FCAW welding and Plasma & Oxyfuel cutting operations

Oscillation / Weaving Control – adjustable swing width, dwell time & speed for deeper penetration and wider, stronger weld beads

Digital Travel Speed Regulation – ensures uniform bead formation and consistent appearance across long seams

Magnetic Trackless Drive – glides smoothly over steel surfaces without rails, perfect for long, continuous welding runs

Full Torch Adjustability – adjustable in vertical, horizontal, and angular directions for perfect alignment

Universal Torch Compatibility – seamlessly fits all major industrial torch brands

Up to 3× Productivity – dramatically increases output over manual welding or cutting

Model	**DynaTwin 200M**
Processes Supported	MIG / MAG / FCAW / Plasma / Oxy-fuel
Power Input	AC 220V / 50-60Hz
Control Voltage	DC 24V
Motor Type	DC 24V Planetary Gear Motor (High Torque)
Travel Speed	20 – 1900 mm/min
Torch Distance (Center-to-Center)	300 – 850 mm Adjustable
Torch Rotation	0–360°
Torch Lead/Lag Angle	± 45° (Variable)
Oscillation Control	Adjustable width, speed, dwell
Magnetic Drive	Yes, permanent magnet, rail-free trackless movement
Seam Tracking	Mechanical dual-guide wheel system
Machine Weight	9.5 kg
Frame	Heavy-duty aluminium
Start/Stop Control	Programmable
Cable Management	Integrated
Torch Holder Diameter	Ø 15 mm – 50 mm
Hauling Magnetic Force	30–45 kg
Cutting Capability	Supports plasma & oxy-fuel cutting
Productivity	Up to 3× faster than manual welding
Application	Long straight seams, large plate welds, structural fabrication
Dimensions (LxWxH)	Approx. 430 x 280 x 290 mm

Included Contents

This kit includes the main welding carriage, dual torch holders, dual control panel, magnetic bases, guide wheels for seam tracking, 10m power cable, torch clamps, cable brackets, positioning handle, motor drive, spare fuses, tool kit, and a quick-start user guide.

It is a complete plug-and-play system — simply connect it to your MIG power source, and your existing welding torch can be mounted and used directly with the carriage.

Digital Control Panel Features

Swing Speed: Adjusts the oscillation frequency (speed of the weave) to match wire deposition rates.

Swing Amplitude: Controls the width of the weave bead (Leg Length) for single-pass coverage on thick plates.

Swing Center: Mechanically centers the weave path over the weld joint without moving the carriage track.

Left / Right Stop (Dwell): Independent timers for pausing the torch at sidewalls. Ensures complete fusion and prevents undercutting.

Travel Speed: Digital regulation of carriage movement (0-1900 mm/min) for consistent heat input.

Welding Times: Programmable timer for intermittent (stitch) welding or crater fill duration.

5 Welding Modes: One-touch selection for Linear, Zig-Zag, Box Weave, and Stitch patterns.

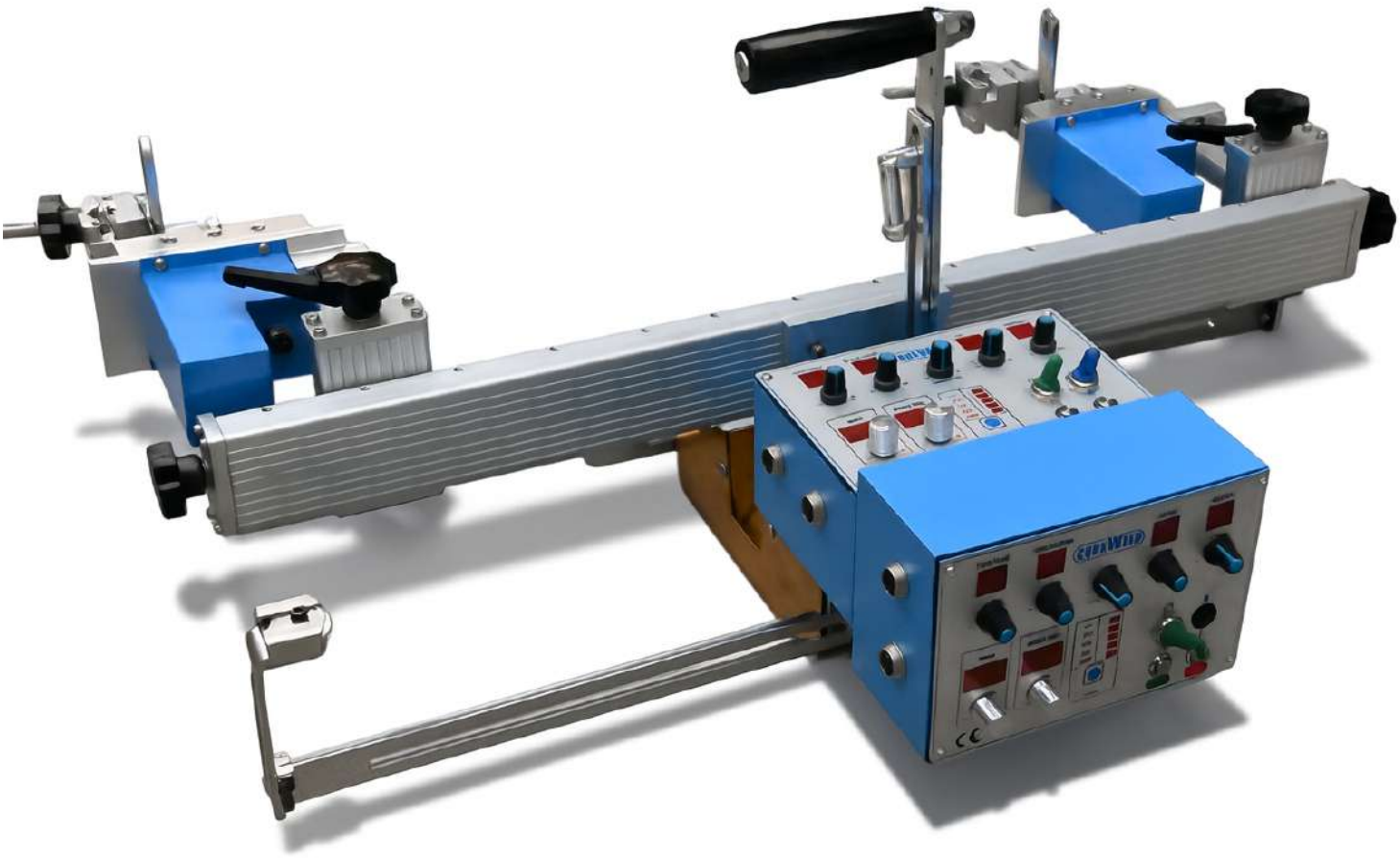
Operation Keys: Durable push-buttons for Arc Start/Stop and Travel Direction (Forward/Reverse).

Where Advanced Mechanics
Meet **Perfect Weld Geometry.**

Twin Torches. One System. Maximum Productivity.

The DynaTwin 200M is engineered for high-volume fabrication, delivering two simultaneous welds with precise travel motion, smart oscillation, and magnetic trackless drive. It ensures consistent weld quality across long seams — boosting output while reducing operator fatigue.

Whether you're welding beams, ship structures, gantries, or long plates — the DynaTwin 200M delivers factory-grade accuracy on site. It replaces manual effort with repeatable automated precision, dramatically improving weld uniformity and finish quality.



Double Torches. Deeper Welds. Faster Results.

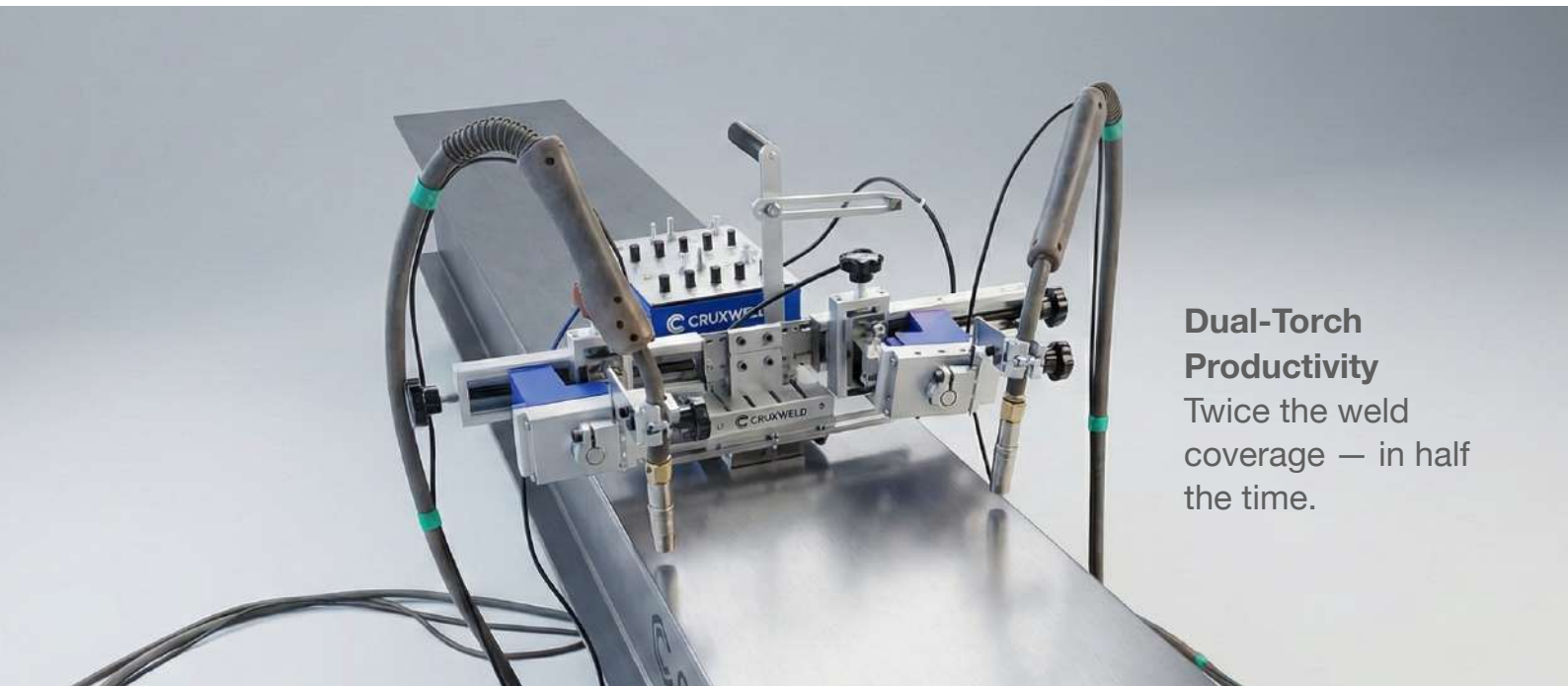
The DynaTwin-200M is engineered for high-efficiency double-sided continuous welding of box beams and reinforcement structures. Equipped with dual welding torches synchronized through a unified control system, both torches deliver identical welding parameters for perfectly matched seams and superior joint quality.

Its operation requires no conventional rail-track movement. Permanent magnetic adhesion combined with precision guide-wheel alignment ensures both torches follow the weld seam with exceptional accuracy.

High-Performance Weld Quality
Two torches working as one — with unmatched precision.

Built for Perfect Welds. A robust mechanical seam-tracking mechanism uses guide wheels on both flat and vertical beam surfaces, enabling flexible and reliable alignment throughout the welding process.

The system maintains stable performance even on inclined surfaces with a tilt of 10° to 20°, ensuring consistent welding in complex geometries.



Dual-Torch Productivity
Twice the weld coverage — in half the time.